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WHAT IS CLAIMED IS:

1	1. A chemical vapor deposition system comprising:			
2	a housing that defines an enclosed deposition chamber and includes			
3	a lower portion and an upper portion having a horizontal junction with each other;			
4	a seal assembly that extends between the lower and upper housing			
5	portions at their horizontal junction;			
6	a roll conveyor located within the deposition chamber to convey glass			
7	sheet substrates along a direction of conveyance at a plane of conveyance below the			
8	horizontal junction of the lower and upper housing portions where the seal assembly			
9	is located;			
10	a chemical vapor distributor located within the deposition chamber			
11	above the roll conveyor to provide chemical vapor deposition of a coating on the			
12	conveyed glass sheet substrates;			
13	the housing including an entry through which the glass sheet			
14	substrates to be coated are introduced into the deposition chamber at a location			
15	below the horizontal junction of the lower and upper housing portions where the			
16	seal assembly is located; and			
17	the housing including an exit through which the coated glass sheet			
18	substrates leave the deposition chamber at a location below the horizontal junction			
19	of the lower and upper housing portions where the seal assembly is located.			
1	2. A chemical vapor deposition system as in claim 1 further			
2	including a vacuum source for drawing a vacuum within the deposition chamber,			

2. A chemical vapor deposition system as in claim 1 further including a vacuum source for drawing a vacuum within the deposition chamber, the seal assembly between the lower and upper housing portions including inner and outer seal members spaced from each other to define an intermediate seal space that is located between the deposition chamber and the ambient and in which a vacuum is drawn to a lesser extent than in the deposition chamber, and a sensor for detecting the pressure within the seal space to sense leakage of either the inner seal member or the outer seal member.

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- 3. A chemical vapor deposition system as in claim 2 wherein the seal assembly includes lower and upper seal flanges on the lower and upper housing portions, the inner and outer seal members extending between the lower and upper seal flanges to seal between the lower and upper housings, and clamps that extend between the lower and upper seal flanges to secure the upper housing portion to the lower housing portion.
- 4. A chemical vapor deposition system as in claim 3 wherein each clamp includes a hydraulic cylinder that provides the securement between the lower and upper seal flanges.
 - 5. A chemical vapor deposition system as in claim 1 including an oven located within the housing and having elongated heaters that extend along the direction of conveyance in laterally spaced banks to heat the conveyed glass sheet substrates and control temperature differentials of the substrates laterally with respect to the direction of conveyance.
 - 6. A chemical vapor deposition system as in claim 5 wherein each elongated heater includes an electric resistance element through which electricity is passed to provide heating and each heater including an elongated quartz tube through which the electric resistance element extends.
- 7. A chemical vapor deposition system as in claim 5 wherein the roll conveyor includes rolls that extent through the oven and have ends projecting outwardly therefrom within the housing, and a drive mechanism that rotatively drives the roll ends outwardly of the oven within the housing.
- 8. A chemical vapor deposition system as in claim 7 further including a screen that is located below the roll conveyor to catch any broken glass sheet substrates.
 - 9. A chemical vapor deposition system 6 wherein the screen is made of stainless steel and includes stiffeners.

1	10. A chemical vapor deposition system comprising:			
2	a housing that defines an enclosed deposition chamber and includes			
3	a lower portion and an upper portion having a horizontal junction with each other,			
4	and the lower and upper housing portions respectively having lower and upper seal			
5	flanges at the horizontal junction of the lower and upper housing portions;			
6	a vacuum source for drawing a vacuum within the deposition			
7	chamber;			
8	a seal assembly having inner and outer seal members that extend			
9	between the lower and upper seal flanges of the lower and upper housing portions			
10	at their horizontal junction to seal therebetween, and the inner and outer seal			
11	members being in spaced from each other to define an intermediate seal space in			
12	which a vacuum is drawn between the deposition chamber and the ambient;			
13	a sensor for detecting the pressure within the seal space to sense			
14	leakage of either the inner seal member or the outer seal member;			
15	a roll conveyor located within the deposition chamber to convey glass			
16	sheet substrates along a direction of conveyance at a plane of conveyance below the			
17	horizontal junction of the lower and upper housing portions where the seal assembly			
18	is located;			
19	a chemical vapor distributor located within the deposition chamber			
20	above the roll conveyor to provide chemical vapor deposition of a coating on the			
21	conveyed glass sheet substrates;			
22	the housing including an entry through which the glass sheet			
23	substrates to be coated are introduced into the deposition chamber at a location			
24	below the horizontal junction of the lower and upper housing portions where the			
25	seal assembly is located; and			
26	the housing including an exit through which the coated glass sheet			
27	substrates leave the deposition chamber at a location below the horizontal junction			
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1	11. A chemical vapor deposition system comprising:			
2	a housing that defines an enclosed deposition chamber and includes			

a lower portion and an upper portion having a horizontal junction with each other,

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chamber;

and the lower and upper housing portions respectively having lower and upper seal
flanges at the horizontal junction of the lower and upper housing portions;
a vacuum source for drawing a vacuum within the deposition

a seal assembly having inner and outer seal members that extend between the lower and upper seal flanges of the lower and upper housing portions at their horizontal junction to seal therebetween, and the inner and outer seal members being in spaced from each other to define an intermediate seal space in which a vacuum is drawn between the deposition chamber and the ambient;

a sensor for detecting the pressure within the seal space to sense leakage of either the inner seal member or the outer seal member;

a roll conveyor located within the deposition chamber and having rolls for conveying glass sheet substrates along a direction of conveyance at a plane of conveyance below the horizontal junction of the lower and upper housing portions where the seal assembly is located;

an oven located within the housing with the roll conveyor conveying the glass sheet substrates therethrough, the oven having elongated heaters that extend along the direction of conveyance in laterally spaced banks to heat the conveyed glass sheet substrates and control temperature differentials of the substrates laterally with respect to the direction of conveyance, and each elongated heater including an electric resistance element through which electricity is passed to provide heating and each heater including an elongated quartz tube through which the electric resistance element extends;

a chemical vapor distributor located within the deposition chamber above the roll conveyor to provide chemical vapor deposition of a coating on the conveyed glass sheet substrates;

the housing including an entry through which the glass sheet substrates to be coated are introduced into the deposition chamber at a location below the horizontal junction of the lower and upper housing portions where the seal assembly is located; and

the housing including an exit through which the coated glass sheet substrates leave the deposition chamber at a location below the horizontal junction of the lower and upper housing portions where the seal assembly is located.

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12. A chemical vapor deposition	system	comprising:
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a housing that defines an enclosed deposition chamber and includes a lower portion and an upper portion having a horizontal junction with each other, and the lower and upper housing portions respectively having lower and upper seal flanges at the horizontal junction of the lower and upper housing portions;

a vacuum source for drawing a vacuum within the deposition chamber;

a seal assembly having inner and outer seal members that extend between the lower and upper seal flanges of the lower and upper housing portions at their horizontal junction to seal therebetween, and the inner and outer seal members being in spaced from each other to define an intermediate seal space in which a vacuum is drawn between the deposition chamber and the ambient;

clamps that each include a hydraulic cylinder for securing the lower and upper seal flanges to each other;

a sensor for detecting the pressure within the seal space to sense leakage of either the inner seal member or the outer seal member;

a roll conveyor located within the deposition chamber and having rolls for conveying glass sheet substrates along a direction of conveyance at a plane of conveyance below the horizontal junction of the lower and upper housing portions where the seal assembly is located;

a screen located below the roll conveyor to catch any broken glass sheet substrates;

an oven located within the housing with the roll conveyor conveying the glass sheet substrates therethrough, the oven having elongated heaters that extend along the direction of conveyance in laterally spaced banks to heat the conveyed glass sheet substrates and control temperature differentials of the substrates laterally with respect to the direction of conveyance, and each elongated heater including an electric resistance element through which electricity is passed to provide heating and each heater including an elongated quartz tube through which the electric resistance element extends;

a chemical vapor distributo	or located within the deposition chamber			
above the roll conveyor to provide chemi	ical vapor deposition of a coating on the			
conveyed glass sheet substrates;				
the housing including an	entry through which the glass sheet			
substrates to be coated are introduced in	to the deposition chamber at a location			
below the horizontal junction of the lower and upper housing portions where the				
seal assembly is located; and				
the housing including an e	xit through which the coated glass sheet			
substrates leave the deposition chamber a	t a location below the horizontal junction			
of the lower and upper housing portions	where the seal assembly is located.			